Quiz Game mini-project code

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#include <iostream.h>
#include <conio.h>

int main()
{
   char startChar;
   char option;
   char playagain = 'Y';

   while (playagain == 'Y' || playagain == 'y')
   {
      clrscr();
      cout << "****_______ WELCOME to Quiz Game _______****" << endl;
      cout << "Please follow the instructions:" << endl;
      cout << "1) Quiz contains total 10 questions" << endl;
      cout << "2) You will be given 1 mark for each right answer" << endl;
      cout << "3) There will be no negative marking" << endl;
      cout << "4) Press S to start the quiz" << endl;
      cout << "5) Select option a, b, c, or d for answers" << endl << endl;
      cout << "**-------- You have to solve 10 Q ----------**" << endl << endl;
      cout << "Enter S TO Start quiz: ";
      cin >> startChar;
      cout << endl;

      int score = 0;

      if (startChar == 's' || startChar == 'S')
      {
         cout << "Q1. Which of the Following is not a feature of OOP" << endl;
         cout << "(a) Encapsulation   (b) Inheritance   (c) Polymorphism   (d) Compilation" <<
endl;
         cout << "Enter your Ans: ";
         cin >> option;
         if (option == 'd' || option == 'D') score++;

         cout << "Q2. Which of the following defines a class correctly in C++ ?" << endl;
         cout << "(a) class student{};  (b) object student{};  (c) structure student{};  (d) define
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student{};" << endl;
        cout << "Enter your Ans: ";
        cin >> option;
        if (option == 'a' || option == 'A') score++;

        cout << "Q3. Which of the following statements about constructor is true ? " << endl;
        cout << "(a) constructor can be called manually like normal functions  (b) constructors have the same name as the class  (c) constructor return int  (d) constructor cannot have parameters" << endl;
        cout << "Enter your Ans: ";
        cin >> option;
        if (option == 'b' || option == 'B') score++;

        cout << "Q4. What is opposite of a constructor in C++ ?" << endl;
        cout << "(a) copy constructor  (b) destructor  (c) inline function  (d) virtual function" << endl;
        cout << "Enter your Ans: ";
        cin >> option;
        if (option == 'b' || option == 'B') score++;

        cout << "Q5. Which operator is used to access member of an object in C++ ? " << endl;
        cout << "(a) .[dot operator]  (b) ->[arrow operator]  (c) *  (d) &" << endl;
        cout << "Enter your Ans: ";
        cin >> option;
        if (option == 'a' || option == 'A') score++;

        cout << "Q6. What is the main purpose of inheritance ?" << endl;
        cout << "(a) To hide data  (b) To reuse code  (c) To overload operator  (d) To convert data types" << endl;
        cout << "Enter your Ans: ";
        cin >> option;
        if (option == 'b' || option == 'B') score++;

        cout << "Q7. What type of polymorphism is achieved by function overloading ?" << endl;
        cout << "(a) Compile-time polymorphism  (b) Run-time polymorphism  (c) Dynamic polymorphism  (d) None" << endl;
        cout << "Enter your Ans: ";
        cin >> option;
        if (option == 'a' || option == 'A') score++;

        cout << "Q8. Which keyword is used to declare a virtual function ?" << endl;
        cout << "(a) virtual  (b) friend  (c) public  (d) const" << endl;
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        cout << "Enter your Ans: ";
        cin >> option;
        if (option == 'a' || option == 'A') score++;

        cout << "Q9. What is a friend function in C++ ?" << endl;
        cout << "(a) A function that can access only private data   (b) A function that can access private and protected members of a class   (c) A function that belongs to two classes (d) A function that cannot access any class data" << endl;
        cout << "Enter your Ans: ";
        cin >> option;
        if (option == 'b' || option == 'B') score++;

        cout << "Q10. What does the this pointer represent ?" << endl;
        cout << "(a) The address of the class   (b) The address of the object that invoked the member function   (c) The first argument of a function   (d) None of the above" << endl;
        cout << "Enter your Ans: ";
        cin >> option;
        if (option == 'b' || option == 'B') score++;

        cout << endl << "Total Score: " << score << endl;
        if (score >= 5)
           cout << "You are Pass" << endl;
        else
           cout << "You are Fail" << endl;
     }
     else
     {
        cout << "You have entered wrong value, please enter S or s to start." << endl;
     }

     cout << endl << "Do you want to play again (Y/N)? ";
     cin >> playagain;
     cout << endl;
     cout << "Press any key to continue..." << endl;
     getch();
  }

  clrscr();
  cout << "Thank you for playing. Press any key to exit." << endl;
  getch();
  return 0;
}
```